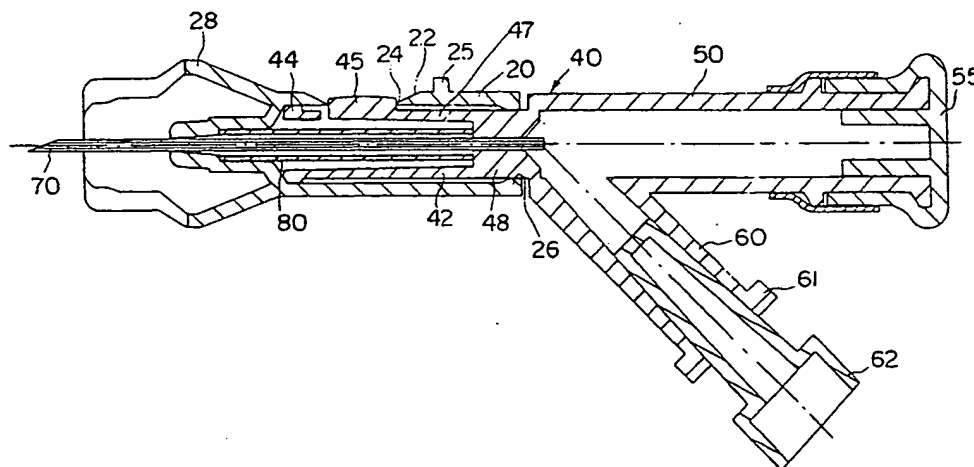




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<p>(21) International Application Number: PCT/US99/19763 (22) International Filing Date: 28 August 1999 (28.08.99) (30) Priority Data: 60/098,280 28 August 1998 (28.08.98) US (71) Applicant (for all designated States except US): MDC INVESTMENT HOLDINGS, INC. [US/US]; Suite 200, 900 Market Street, Wilmington, DE 19801 (US). (72) Inventors; and (75) Inventors/Applicants (for US only): HALSETH, Thor, R. [US/US]; 367 Buckboard Circle, Simi Valley, CA 93065 (US). BOTICH, Michael, J. [US/US]; 2330 Eagle Creek Lane, Oxnard, CA 93030 (US). BARKER, John [US/US]; 2333 Aztec Avenue, Ventura, CA 93001 (US). (74) Agent: ELAND, Stephen, H.; Dann, Dorfman, Herrell and Skillman, Suite 720, 1601 Market Street, Philadelphia, PA 19103 (US).</p>		<p>(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).</p> <p>Published With international search report.</p>

(54) Title: FLUID INFUSION DEVICE WITH RETRACTABLE NEEDLE



(57) Abstract

An infusion device is provided for use with an intravenous catheter connected to a primary fluid supply. A Y site (92) is in fluid communication with the catheter (90). The infusion device is releasably connectable with the Y site (92) to connect a secondary fluid supply (97) to the catheter (40). The infusion device includes a retractable needle (70) that is retractable after use.